

INTERNATIONAL SEARCH REPORT

In national Application No
PCT/GB 00/01211

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/17 A61K31/203 A61K31/381 A61K48/00 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, CHEM ABS Data, EMBASE, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 23070 A (LIGAND PHARM INC) 1 August 1996 (1996-08-01) the whole document	1-9
A	JOHNSON A T ET AL: "IDENTIFICATION OF RETINOIC ACID RECEPTOR BETA SUBTYPE SPECIFIC AGONISTS" JOURNAL OF MEDICINAL CHEMISTRY, US, AMERICAN CHEMICAL SOCIETY. WASHINGTON, vol. 39, no. 26, 20 December 1996 (1996-12-20), pages 5027-5030, XP002065588 ISSN: 0022-2623 the whole document	2,6,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

10 October 2000

Date of mailing of the international search report

26/10/2000

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 02030 A (AMMAR KHODOR) 23 January 1997 (1997-01-23) page 8, line 20 -page 9, line 11 page 15, line 8 -page 18, line 15 claim 29 ---	3-6
A	WO 97 24116 A (ALLERGAN INC) 10 July 1997 (1997-07-10) the whole document, especially claims 1,2,5,12,13 ---	3-6
A	US 4 808 630 A (STRAW GREGORY M) 28 February 1989 (1989-02-28) the whole document ---	3,5,6
A	MADEN M ET AL: "Retinoic acid as a chemotactic molecule in neuronal development." INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE, vol. 16, no. 5, August 1998 (1998-08), pages 317-322, XP000946687 ISSN: 0736-5748 cited in the application, the whole document ---	1-6,9
A	MADEN M ET AL: "RETINOIC ACID AND DEVELOPMENT OF THE CENTRAL NERVOUS SYSTEM" BIOESSAYS, vol. 14, no. 7, 1992, pages 431-438, XP002149699 ISSN: 0265-9247 the whole document ---	1-6,9
A	HAN, GUANGYANG ET AL: "Enhanced potency of 9-cis versus all-trans-retinoic acid to induce the differentiation of human neuroblastoma cells" DIFFERENTIATION (BERLIN) (1995), VOLUME DATE 1995, 59(1), 61-9 , XP000946682 the whole document ---	1-6,9
P,A	WO 99 21574 A (CREATIVE BIOMOLECULES INC ;CHARETTE MARC F (US); HIGGINS DENNIS (U) 6 May 1999 (1999-05-06) page 2, line 11 -page 3, line 2 page 28, line 12 -page 30, line 12 claims 4,8,9,13 ---	1-9

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	CORCORAN JONATHAN ET AL: "Nerve growth factor acts via retinoic acid synthesis to stimulate neurite outgrowth." NATURE NEUROSCIENCE, vol. 2, no. 4, April 1999 (1999-04), pages 307-308, XP000946659 ISSN: 1097-6256 cited in the application the whole document ----	1-6, 9
T	CORCORAN JONATHAN ET AL: "The role of retinoic acid receptors in neurite outgrowth from different populations of embryonic mouse dorsal root ganglia." JOURNAL OF CELL SCIENCE, vol. 113, no. 14, July 2000 (2000-07), pages 2567-2574, XP000946689 ISSN: 0021-9533 the whole document -----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 00/01211

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9623070 A	01-08-1996	AU 4763796 A CA 2211142 A EP 0812354 A	14-08-1996 01-08-1996 17-12-1997
WO 9702030 A	23-01-1997	IT T0950551 A AU 6241096 A EP 0836476 A	30-12-1996 05-02-1997 22-04-1998
WO 9724116 A	10-07-1997	US 5965606 A AU 710483 B AU 1345097 A BR 9612318 A CA 2241758 A CN 1211180 A CZ 9802069 A EP 0869782 A PL 327627 A	12-10-1999 23-09-1999 28-07-1997 28-12-1999 10-07-1997 17-03-1999 14-04-1999 14-10-1998 21-12-1998
US 4808630 A	28-02-1989	AU 607961 B AU 1027788 A EP 0279175 A HU 46209 A, B JP 63188622 A PH 25294 A ZA 8800219 A	21-03-1991 21-07-1988 24-08-1988 28-10-1988 04-08-1988 30-04-1991 22-02-1989
WO 9921574 A	06-05-1999	AU 1122099 A EP 1027059 A	17-05-1999 16-08-2000

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